

**METHOD, APPARATUS AND PROGRAM STORAGE DEVICE  
FOR DYNAMICALLY RESIZING MIRRORED VIRTUAL DISKS  
IN A RAID STORAGE SYSTEM**

ABSTRACT

5           A method, apparatus and program storage device for dynamically resizing  
mirrored virtual disks in a RAID storage system is disclosed. Mirrored virtual disks are  
expanded by creating the amount of storage necessary by providing RAID's on each  
subsystem that is associated with each of the components of the mirror set, attaching the  
RAID's to the specific Virtual Disks for each of the mirror devices, and specifying the  
10   Virtual Disk size and mapping this directly to all components via the source Vdisk of the  
mirror set. To decrease the size of mirrored virtual disks the process is reversed, with the  
inclusion of the optional requirement that some raids will need to be truncated to provide  
exact shrink values without sacrificing storage space.